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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/832,605	04/11/2001	Rama Divakaruni	FIS920000337US1 (14114)	1873
	590 08/26/2003			
Richard L. Catania, Esq. Scully, Scott, Murphy & Presser			EXAMINER	
400 Garden City Plaza Garden City, NY 11530			LOKE, STEVEN HO YIN	
•	·		ART UNIT	PAPER NUMBER
			2811	
			DATE MAIL ED: 08/26/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

Ď		Application No.	Applicant(s)				
1		09/832,605					
1:	Office Action Summary		DIVAKARUNI ET AL.				
		Examiner	Art Unit				
Poriod	The MAILING DATE of this communication app	Steven Loke	2811				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any Status							
1)[Responsive to communication(s) filed on 16 Ju	une 2003 .					
2a)⊠	This action is FINAL . 2b) ☐ This	s action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
4)⊠	Claim(s) 1 and 3-16 is/are pending in the applic	cation.					
	4a) Of the above claim(s) <u>6-15</u> is/are withdrawn from consideration.						
5)⊠	5)⊠ Claim(s) <u>1,4,5 and 16</u> is/are allowed.						
6)⊠ Claim(s) <u>3</u> is/are rejected.							
7)	Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement							
Applicati	on Papers	·					
9) The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on <u>16 June 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CER 1.95(a)							
The proposed drawing correction filed on is: a) approved by disapproved by the Examinar							
п approved, corrected drawings are required in reply to this Office action							
12) The oath or declaration is objected to by the Examiner.							
	nder 35 U.S.C. §§ 119 and 120						
13)∟_ ,⊏	Acknowledgment is made of a claim for foreign p	riority under 35 U.S.C. § 119(a)-(d) or (f).				
a)L	JAII b)∟J Some * c)∟ None of:						
1	. Certified copies of the priority documents have	ave been received.					
2	Certified copies of the priority documents have	ave been received in Application	No.				
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)							
of the translation of the foreign language provisional application has to							
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Notice of References Cited (PTO-892)							
) ∐ Notice o	f References Cited (PTO-892) f Draftsperson's Patent Drawing Review (PTO-948) ion Disclosure Statement(s) (PTO-1449) Paper No(s)	4) Interview Summary (PT 5) Notice of Informal Pater 6) Other:	O-413) Paper No(s) nt Application (PTO-152)				
	Patent and Trademark Office						

3)

Application/Control Number: 09/832,605

Art Unit: 2811

1. Claim 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Since amended claim 1 discloses the underlying nitride layer formed immediately adjacent to and contacting a top of the deep trench conductor, it is unclear how the sacrificial oxide layer formed underneath the nitride layer as claimed in claim 2. There should be nothing formed between the nitride layer and the top of the deep trench conductor.

- 2. Claims 1, 4, 5 and 16 are allowed.
- 3. The following is a statement of reasons for the indication of allowable subject matter: The major difference in the claims not found in the prior art of record is an underlying nitride layer formed immediately adjacent to and contacting a top of the deep trench conductor of the capacitor. The capacitor is formed in a deep trench and under a vertical MOSFET.
- 4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Loke whose telephone number is (703) 308-4920. The examiner can normally be reached on 7:50 am to 5:20 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (703) 308-2772. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

sl August 22, 2003 Stoven Loko Princey Electrinos Steven Loke